



Water-Data Report 2008

12438700 OKANAGAN RIVER NEAR OLIVER, BRITISH COLUMBIA

Undefined Basin

LOCATION.--Lat 49°06'53", long 119°33'50" referenced to North American Datum of 1927, Hydrologic Unit is unknown, approximately 75 ft upstream from drop structure No. 3, 0.8 mi downstream from Testalinden Creek, 4.2 mi south of Oliver, and at mile 93.4.

DRAINAGE AREA.--2,930 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1961 to current year in reports of U.S. Geological Survey. March 1944 to December 1948 and April 1952 to current year in reports of Water Survey of Canada.

REVISED RECORDS.--WDR-US-2007: 2006.

GAGE.--Water-stage recorder.

COOPERATION.--Discharge records furnished by Water Survey of Canada. This station is maintained by Canada under agreement with the United States subsequent to Feb. 14, 1965.

REMARKS.--Regulation by control dams at outlets of Okanagan and Skaha Lakes. Diversion for irrigation.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--58 years (water years 1945-47, 1953-56, 1958-2008), 652 ft³/s, 472,400 acre-ft/yr. 47 years (water years 1962-2008), 641 ft³/s, 464,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,740 ft³/s, June 11, 1990, gage height, 7.52 ft; minimum, 55.9 ft³/s, Jan. 30, 1963, gage height, 0.63 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,950 ft³/s, June 12, minimum daily discharge, 175 ft³/s, Jan. 24

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	456	224	199	205	289	204	287	431	1,230	992	339	953
2	452	222	201	206	284	204	316	431	1,230	992	341	943
3	448	222	207	208	284	204	385	438	953	992	352	943
4	445	221	206	210	284	204	385	456	731	1,010	343	939
5	438	220	206	210	280	204	385	501	692	1,020	332	939
6	431	219	207	209	263	207	381	544	650	1,010	327	943
7	431	218	208	208	258	210	413	558	639	897	334	943
8	434	214	211	208	239	210	512	565	607	600	364	943
9	438	198	212	207	210	210	533	537	650	569	371	943
10	434	197	212	207	209	210	540	530	1,060	487	371	936
11	420	196	213	207	208	210	540	533	1,860	371	353	925
12	374	195	213	206	208	210	544	516	1,950	357	353	918
13	367	197	214	206	209	213	547	554	1,800	352	349	922
14	364	198	216	205	202	236	530	611	1,740	342	353	922
15	364	198	216	196	189	239	466	664	1,700	340	353	922
16	360	198	215	192	189	242	459	784	1,590	334	353	823
17	353	199	213	192	190	243	427	992	1,230	333	360	717
18	357	199	210	192	191	244	385	1,090	872	334	334	699
19	367	198	208	192	196	245	381	1,090	812	329	319	696
20	371	197	206	192	197	246	381	1,070	802	330	331	703
21	367	197	204	191	198	247	381	1,170	798	327	388	713
22	371	196	202	190	199	248	378	996	823	328	438	678
23	364	196	202	190	201	246	381	950	819	345	943	597
24	364	196	202	175	202	245	378	911	802	348	968	593
25	364	197	202	184	202	245	374	872	865	332	989	558
26	364	197	202	184	202	252	378	897	1,000	339	982	473
27	364	197	201	184	203	270	378	936	1,010	340	975	466
28	367	198	201	185	203	273	378	1,290	999	322	971	463
29	364	198	201	206	203	289	403	1,460	996	321	968	463
30	331	199	201	295	---	289	434	1,450	989	353	957	459
31	231	---	203	291	---	285	---	1,190	---	351	953	---
Total	11,955	6,101	6,414	6,333	6,392	7,284	12,660	25,017	31,899	15,697	16,464	23,135
Mean	386	203	207	204	220	235	422	807	1,063	506	531	771
Max	456	224	216	295	289	289	547	1,460	1,950	1,020	989	953
Min	231	195	199	175	189	204	287	431	607	321	319	459
Ac-ft	23,710	12,100	12,720	12,560	12,680	14,450	25,110	49,620	63,270	31,140	32,660	45,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	407	329	306	369	513	648	751	1,142	1,112	846	705	554
Max	689	1,029	708	932	1,221	1,965	2,248	2,832	3,099	2,715	2,665	2,232
(WY)	(1998)	(1979)	(2005)	(1996)	(1997)	(1983)	(1983)	(1997)	(1990)	(1997)	(1997)	(1997)
Min	160	122	112	107	85.6	124	142	267	228	209	187	205
(WY)	(1971)	(1971)	(1968)	(1971)	(1971)	(1968)	(1968)	(1992)	(1963)	(1963)	(1963)	(1988)

SUMMARY STATISTICS

	Calendar Year 2007	Water Year 2008		Water Years 1962 - 2008	
Annual total	149,321		169,351		
Annual mean	409		463		641
Highest annual mean				1,714	1997
Lowest annual mean				235	1988
Highest daily mean	950	May 16	1,950	Jun 12	3,660 Jun 11, 1990
Lowest daily mean	195	Jan 16	175	Jan 24	79 Jan 29, 1971
Annual seven-day minimum	196	Jan 15	185	Jan 22	80 Jan 28, 1971
Annual runoff (ac-ft)	296,200		335,900		464,100
10 percent exceeds	773		968		1,530
50 percent exceeds	364		352		391
90 percent exceeds	198		198		196

